



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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GOVERNOR

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SECRETARY

MEMORANDUM TO: Project Engineers
Project Design Engineers

FROM: D. Holderman, P.E.
State Bridge Management Engineer

G. R. Perfetti, P.E.
State Bridge Design Engineer

DATE: April 1, 2008

SUBJECT: INITIAL GIRDER RATING

Effective immediately, girders for bridges designed in accordance with the AASHTO LRFD Bridge Design Specifications shall be rated in accordance with the load and resistance factor rating (LRFR) provisions of the AASHTO Manual for Bridge Evaluation. Initial girder ratings will be an integral part of the design process and an LRFR summary shall be included in the contract plans.

Four (4) new standard drawings are available and should be used in plan development.

- **LRFR1** -- LRFR Summary for Prestressed Concrete Girders & Beams (Interstate Traffic)
- **LRFR2** -- LRFR Summary for Prestressed Concrete Girders & Beams (Non-Interstate Traffic)
- **LRFR3** -- LRFR Summary for Steel Girders (Interstate Traffic)
- **LRFR4** -- LRFR Summary for Steel Girders (Non-Interstate Traffic)

The standard drawings are available via Structure Design's web site. Design Manual **Figure 1-1** shows the LRFR Summary sheet in the Plan Assembly Outline.

DH/GRP/GM

cc: T. K. Koch, P.E.
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